



COMMONWEALTH of VIRGINIA

Department of Health **DIVISION OF SHELLFISH SANITATION**

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Machipongo River Growing Area # 096 Accomac and Northampton Counties Shoreline Sanitary Survey

Date: 23 August 2006

Survey Period: March 18, 2005 – April 28, 2006

Total Number of Properties Surveyed: 999

Surveyed By: P.H. Widgen and J.W. Hume

SECTION A: GENERAL

This survey area extends from Reference Point 95 at a prominent point off the end of Route 608 to Reference Point 96 at a prominent point off the end of Route 622, including the seaside shoreline between these two points and offshore islands, Machipongo River (Upshur Creek, Greens Creek, Parting Creek, and Frogstool Branch), the north shore of Hog Island Bay (Great Machipongo Channel, North Channel, Cunjer Channel, Black Duck Cove, and Tar Bay), North Inlet (Tom's Gut), Quinby Inlet (Chimney Pole Creek, The Straits, Big Camp Channel, The Swash, and Stingaree Point Cove), Sandy Island Channel (Sandy Island Bay with Little Camp Channel, Sloop Channel, Revel Island Cove, and Wreck Island Creek), Bordenstake Bay (South Bordenstake Notch), Upshur bay (Little Gap Channel, Middle Gap Channel, Great Gap Channel, Cockle Creek, White Perch Creek, White Perch Cove, Upshur Creek, Major Hole Bay, Major Hole Creek, Mullet Creek, Wire Creek, and Quinby Harbor), Revel Island Bay (Revel Creek, Bucket Gut), Swash Bay (Powdering Tub Creek, Little Beach Cove, Little Sloop Channel, White Trout Creek, Shell Narrows, Waterhole Creek, Hog Creek, Little Seal Creek, Seal Creek, Green Channel, and Drawing Channel with Jim Bell Gut), Level Pond, Goose Lakes, North Pond, Horseshoe Lead with Clubhouse Gut and Fishpen Gut, the south shore of Wachapreague Inlet, Bradford Channel, and Bradford Bay, (Millstone Creek, Clark Bay, Grassy Creek, and Chalk Pig Gut), and all of their tributaries. The survey boundary has been revised. See final map for the current survey boundary.

The area is characterized by the barrier island Parramore with a sandy beach on the east, marshes on the west, Quinby Inlet on the south and Wachapreague Inlet on the north, an extensive network of offshore marshy islands, tidal flats, bays, channels, creeks, and guts, marshy sections adjacent to the shoreline, a low elevation band extending inland to a line running generally through Willis Wharf, Cats Bridge, Coal Kiln, Mappsburg, Red Hill, Frostool, and Trower communities, and rising to moderate elevations to the center section of the peninsula where the headwaters begin. The population is sparse in the countryside with moderate concentrations in the towns of Nassawadox, Exmore, Painter, Belle Haven, and the communities of Oakland Park, Willis Wharf, Cats Bridge, Coal Kiln, and Quinby. The economy of the area is dependent primarily on seafood and agriculture.

Meteorological data indicated that the area received a total rainfall of 48.98" for the survey period. A monthly breakdown is as follows:

March 18-31, 2005	0.36	October	6.98
April	1.98	November	2.26
May	4.62	December	4.86
June	6.71	January 2006	3.41
July	5.94	February	1.07
August	5.76	March	0.19
September	0.32	April 1-28	3.19

Copies of Bacteriological, Hydrographic, and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at <http://www.vdh.virginia.gov/oehs/shellfish/>.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties. The Engineering Appendix is available by request from the Richmond Office of the Division of Shellfish Sanitation.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B.2. and B.3. and the Department of Environmental Quality for possible action at properties listed on the summary page in Sections B.1., C.1. and C.2. The Division of Soil and Water Conservation is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. "**Direct**" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

14. Town of Exmore, 3305 Main Street, Exmore 23350. Public:
18. Bundick Well and Pump Company, Box 15, Painter 23420. Business: septic tank cleaning contractor. Facilities consist of 2 septage treatment lagoons. See Engineering Appendix for more information.

ON-SITE SEWAGE DEFICIENCIES

1. CONTRIBUTES POLLUTION -Location: 12127 Temple Drive, Exmore 23350. Dwelling – white frame and vinyl 1-story. No contact. Pit privy and surrounding land completely submerged in water. Sanitary notice issued 06-24-05 to field # H134.

2. CONTRIBUTES POLLUTION – Location: 3461 Pecan Lane, Exmore 23350. Dwelling – white and natural frame 1-story. 1 person. Roof of pit privy caved in and path to privy impassable making pit privy unusable. Sanitary Notice issued 06-24-05 to field # H142.
13. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 4188 Willis Wharf Rd., Exmore 23350. Dwelling – white frame 1-story with black shutters. No contact. Washing machine hose drains directly to ground surface. Sanitary Notice issued 01-20-06 to field # H277.
15. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 13090 Heath Lane, Exmore 23350. Owner: PO Box 13, Exmore 23350. Dwelling – white asbestos shingle siding 1 ½ story. No contact. Laundry wastes empties directly to ground surface through 2" pipe. Sanitary Notice issued 03-16-06 to field # H312.
20. NO FACILITIES, **DIRECT** – Owner: 21415 Mount Vernon Lane, Onley 23418. Dwelling - plywood buildings on piling, crab shedding operation. No contact. Sanitary Notice issued 05-08-06 to field # 511-b.
21. NO FACILITIES, **DIRECT** – Owner: 20193 Quinby Bridge Road, Quinby 23423. Dwelling - plywood buildings on pilings, crab shedding operation. No contact. Sanitary Notice issued 05-08-06 to field # 511a.
25. CONTRUBUTES POLLUTION (kitchen or Laundry Wastes) – Location: 31317 Fisherman's Road, Wachapreague 23480. Dwelling – 2-story frame with cream colored asbestos siding. No contact. Two inch white PVC pipe to ground surface. Sanitary Notice issued 04-08-05 to field # 23.
26. CONTRIBUTES POLLUTION – Location: 31299 Old Road, Melfa 23410. Dwelling – 1-story with white vinyl siding. No contact. Effluent on ground surface over drainfield. Sanitary Notice issued 04-28-05 to field # 51.
27. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 31454 Old Road, Melfa 23410. Dwelling – 1-story green frame with white shutters. 2 persons. 2" PVC pipe from kitchen sink to ground surface. 4" black pipe from washing machine to ground surface. Sanitary Notice issued 04-28-05 to field # 58.
30. CONTRIBUTES POLLUTION – Location: 35504 Upshur Neck Road, Quinby 23423. Dwelling – 2-story white frame with aluminum siding and black shutters. No contact. 4" sewer line exposed in excavated ditch. Effluent 6" deep around sewer line. Sanitary Notice issued 08-26-05 to field # 222.
34. CONTRIBUTES POLLUTION – Owner: Thousand Trails & NACO, Virginia Landing, 40226 Uphur Neck Road, Quinby 23423. Dwelling- Gray frame 2-story. 2 persons. Effluent on ground surface over septic tank. Sanitary Notice issued 09-28-05 to field # 282.

POTENTIAL POLLUTION

12. Location: 13228 Parting Creek Lane, Willis Wharf 23486. Dwelling- peach asbestos shingle siding 2-story. No contact. Observed coming out from side of house was a 2" black PVC pipe of undetermined origin. No evidence of pollution at time of inspection.

16. Location: 35137 Seaside Road, Painter 23420. Dwelling- white asbestos shingle siding 2-story with black trim. 4 persons. Owner reported that wet area under kitchen sink window was the result of throwing some water out of window prior to the inspection. Owner reported sink was operational.
24. Location: 31000 Matthews Lane, Wachapreague 23480. Dwelling- small white frame with aluminum siding. No contact. Shallow cement tank in side yard which appears to be paced there for kitchen wastes. Tank has a plywood board cover.
29. Owner: Unspecified street address, Wachapreague 23480. Dwelling - white trailer with attached front deck. 2 persons. Owner stated that they had the septic tank pumped on a regular basis. Have permit for new system but can not afford to install at the present time.

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

-none-

SOLID WASTE DUMPSITES

4. ***DIRECT*** – Northampton County Board of Supervisors, PO Box 66, Eastville 23347. Public: satellite dumpster. No contact. Located on site were 7 green dumpsters and 1 large black container approximately 8' from Parting Creek. Area around dumpster is subject to flooding under extreme weather conditions.
17. Accomack County Public Works Department, 24420 Lankford Highway, PO Box 52, Tasley 23441. Public: satellite dumpster. No contact. Located on site was 1 green dumpster.
28. Accomack County Public Works Department, 24420 Lankford Highway, PO Box 52, Tasley 23441. Public: satellite dumpster. No contact. Located on site were two large green dumpsters.
32. Accomack county Public Works Department, 24420 Lankford Highway, PO Box 52, Tasley 23441. Public: satellite dumpster. No contact. Located on site were two large green dumpsters.

SECTION D: BOATING ACTIVITY

MARINAS

6. Willis Wharf Boat Harbor, 5089 Willis Wharf Road, Willis Wharf 23486. Owner: Northampton Board of Supervisors, PO Box 66, Eastville 23347. Marine - public harbor. No contact. 61 slips/moorings, 20 dry storage spaces. Present at time of survey were 8 work boats and 6 pleasure boats under 26'; and 4 work and 6 pleasure boats over 26'. Boating services provided are water, electricity, and an in-out ramp. Sanitary facilities provided are 1 vault privy for men and 1 vault privy for women. Boat holding tank pump-out facilities and a dump station are provided at this location.

7. H.M. Terry Co., Inc., PO Box 87, Willis Wharf 23486. Location: 5039 Willis Wharf Road, 23486. Business - shellfish shucker-packer. 10 employees. 16 moorings. Present at the time of survey were 6 work boats under 26' and 1 work boat over 26'. The only boating service provided is fuel. Sanitary facilities provided are 1 vault privy for men and 1 vault privy for women. A dump station is provided for emptying portable marine toilets. This facility is exempt from providing boat holding tank pump-out facilities.
11. Hambelin Seafood, PO Box 25, Willis Wharf 23486. Owner: Larry Hambelin, PO Box 25, Willis Wharf 23486. Location: 4483 Willis Wharf Rd., Willis Wharf 23486. Business - seafood business. 6 moorings. Present at time of survey was 1 work boat over 26'. The only sanitary facility is a vault privy. The only boating service available at this location is fuel. There is no dump station. This facility is exempt from providing boat holding tank pump-out facilities.
33. Quinby Public Harbor, Quinby 23423. Owner: Accomack Board of Supervisors, Accomac, 23301. Marine: public harbor. No contact. 88 slips/moorings. Present at time of survey were 10 work boats less than 26', 8 work boats greater than 26'. Boating services are water, electricity and an in-out ramp. Sanitary facilities provided are 1 vault privy for men and one vault privy for women. Boat holding tank pump out facilities and a dump station are provided at this location.

OTHER PLACES WHERE BOATS ARE MOORED

8. Cherrystone Aquafarms, PO Box 347, Cheriton 23316. Owner: Jim Ballard, PO Box 186, Cheriton 23316. Location: Willis Wharf Rd., Willis Wharf 23486. Business - aquaculture facility. 15 employees. 5 moorings. No boats were present at time of inspection. Sanitary facilities provided are 1 commode and lavatory for men and 1 commode and lavatory for women. There are no boating services and no boat holding tank facilities provided at this location.
35. Thousand Trails & NACO, Virginia Landing, 40226 Uphur Neck Road, Quinby 23423. Business - camp ground. 22 slips/moorings. No boats were present during the time of inspection. Sanitary facilities provided are 1 commode and lavatory for women and 1 commode and lavatory for women. Boating services include a dump station and pump out facility which the management stated was not operational at this time. The manager reported that they had no boats able to use their shallow harbor which had onboard holding tanks. They stated that they would file a request to be exempt from the requirement and have the pump removed.

UNDER SURVEILLANCE

3. Roy Booth, Jr., PO Box 14, Willis Wharf 23486. Marine - dock. No contact. 6 moorings. Present at time of survey were 1 work boat over 26' and 2 work boats under 26'. The only sanitary facility provided is a vault privy. There are no boating services provided and no boat holding tank pump-out facilities provided at this location. A dump station is provided for emptying portable marine toilets.
5. J.C. Walker Brothers, Inc., PO Box 10, Willis Wharf 23486. Location: 5179 Willis Wharf Road, Willis Wharf 23486. Business - aquaculture facility. 10 employees. 3 moorings. There was 1 work boat under 26' present at time of survey. The only sanitary facility provided is 1 vault privy. There are no boating services and no boat holding tank facilities provided at this location. A dump station is provided for emptying portable marine toilets.

9. Walker's Seaside Oysters, PO Box 10, Willis Wharf 23486. Location: Willis Wharf Rd., Willis Wharf 23486. Business - aquaculture facility. 3 employees. 3 moorings. Present at time of survey was 1 work boat over 26'. Sanitary facilities available at this are 1 commode and 1 lavatory. There are no boating services, no boat holding tank facilities, and no dump station provided at this location.
10. Bowen's Clam House, Willis Wharf Rd. Willis Wharf 23486. Business - railway. 0 employees. 4 moorings. No boats were present at time of survey. There are no sanitary facilities provided at this location. The only boating service provided is a railway. There are no boating services, no boat holding tank facilities, and no dump station provided at this location.
21. Mark Wallace, 20193 Quinby Bridge Road, Quinby 23423. 2 moorings. Seasonal crab shedding facility. There are no sanitary facilities located at this location. There are no boating services, no holding tank facilities, and no dump station provided at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

19. Owner: PO Box 96, Seaside Rd, Painter 23420. Dwelling – white vinyl 2-story with green shutters. No contact. Present at time of survey were 6 horses.
22. Location: 34525 Savage Circle, Painter 23420. Dwelling – 2-story white frame with black shutters. 2 persons. Present at time of survey were approximately 36 cows in a fenced pasture.
23. Location: 31385 Seaside Road, Melfa 23410. Dwelling – tan trailer. No contact. Present at time of survey were 3 broiler houses and 2 cows in a fenced pasture.
31. Location: 20384 Proctor Lane, Quinby 23413. Dwelling – one-story cedar cottage. No contact. Present at time of survey were six goats in a fenced area of residence.

SUMMARY

Area # 096
Machipongo River
23 August 2006

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

0 – DIRECT – None
2 – INDIRECT – # 14, 18
2 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

Correction of deficiencies in this section is the responsibility of the local health department.

0 – CONTRIBUTES POLLUTION, DIRECT – None
5 – CONTRIBUTES POLLUTION, INDIRECT - # 1, 2, 26, 30, 34
0 – CP (Kitchen or Laundry Wastes), DIRECT – None
4 – CP (Kitchen or Laundry Wastes), INDIRECT - # 13, 15, 25, 27
2 – NO FACILITIES, DIRECT – # 20, 21
0 – NO FACILITIES, INDIRECT – None
11 – B.2. TOTAL

3. POTENTIAL POLLUTION

Periodic surveillance of these properties will be maintained to determine any status change.

4 – POTENTIAL POLLUTION - # 12, 16, 24, 29

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 – DIRECT – #
0 – INDIRECT – None
0 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

1 – DIRECT – # 4
3 – INDIRECT – # 17, 28, 32
4 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

4 – MARINAS – None # 6, 7, 11, 33
2 – OTHER PLACES WHERE BOATS ARE MOORED – # 8, 35
5 – UNDER SURVEILLANCE – # 3, 5, 9, 10, 21
11 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None
4 – INDIRECT - # 19, 22, 23, 31
4 – E. TOTAL

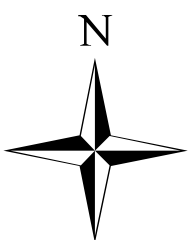
Virginia Department of Health
Division of Shellfish Sanitation

Machipongo River
096
Shoreline Sanitary Survey

Accomack and
Northampton Counties

Date: 23 August 2006
Survey By: P.H. Widgen and J.W. Hume
Number of Properties Surveyed: 1510

0 500 1,000 2,000
Yards



Legend

Seawater Sampling Stations

- Active
- Inactive

Sewered areas

DGIF Boat Ramps

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct
- Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- Contributes Pollution (Kitchen or Laundry wastes) - Direct
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- Potential Pollution
- Industrial Wastes, Direct
- Industrial Wastes, Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect

Geographic coordinates in NAD83 datum;
shown in degrees, minutes & seconds.